



NEU-120.P.1, Sequence Listing FILED, MS, 1-23-06  
SEQUENCE LISTING

<110> Viney, Joanne L.

Sims, John E.

DuBose, Robert F.

Hasel, Karl W.

Hilbush, Brian S.

Buchner, Robert R.

<120> Gene Expression Modulated In Gastrointestinal Inflammation

<130> 99,104-A

<140> PCT/US 00/15973

<141> 2000-06-09

<150> 60/138,487

<151> 1999-06-12

<160> 129

<170> PatentIn version 3.1

<210> 1

<211> 270

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_4

**RECEIVED**  
FEB 13 2006  
OFFICE OF PETITIONS

NEU-120.P.1, Sequence Listing FILED, MS, 1-23-06

<400> 1  
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<213> Mus musculus

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<223> IMX2\_4 Extended Sequence

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ctaccccaaa aa 192

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<223> IMX2\_22

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<212> DNA

<213> Mus musculus

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caggggtacct	ccctgagata	tctgacattg	taccatttct	gtccccaat	aaaagacaga		420
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cttggaatc agcactatgg ctaacgtctc tgggtggggat gtaacctata cagtgcggt      180
ccccgtgaac gattcagtca gtgccgtgat cctgaaagca gtgaaggagg acgacagccc      240
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gaaaatggaa caagtacaac cctcagcctc aacccttatt cctgagagtt ctgagaccag      480
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 ctgaagatga gctgtgaata cgtgagcttg ggctaccagc ctgctgtcaa cctggaagac 180  
 cctgattcag atgattacat caatattcct gaccatctc atctccctag ctatgcccc 240  
 gggcccagat cttcatgcca atgagttctg cctgtttgct gatgtctagc acgttttct 300  
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<212> DNA

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<221> misc\_feature

<223> IMX2\_46 Extended sequence

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<221> misc\_feature

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gtcatagcca ctctcaaggg cggtcacaaa gtttgccttg accctgaagc ccccttggtt	240
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<211> 414

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_55

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<223> IMX2\_55 Extended sequence

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<223> IMX2\_57 Extended Sequence

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<222> (5)..(5)

<223> N stands for A, C, G or T

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<222> (84)..(84)

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<222> (185)..(185)

<223> N stands for A, C, G or T

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&lt;211&gt; 1225

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; IMX2\_61 Extended sequence

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<210> 19  
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 aactctaccc aaagtgggag catcaaggat cacagtggaa agaaatgatg gcagagtgtt 300  
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 <212> DNA  
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<221> misc\_feature

<223> IMX2\_21

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acagtactgt gaaggaaaaa 140

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<221> misc\_feature

<223> IMX2\_49

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tcctcaaatac aagctgcatg gactagtttg tggcttcatt gaggatttca catggtcacg 180

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<212> DNA

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<223> IMX2\_62

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tcttctgaga aacccttgag agatgattcc tggcggactt ctggaagctt ctgcgtgctc	180
agcggcagcc tgtgacagtg ttgacctcga gtggcatcaa cctctgttca ccaaattcca	240
ggagaacatt gtgggcgag tctcctgccc tgggtaccca ttctactcac agctccagt	300
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<210> 27

<211> 310

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_6

<400> 27	
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tctgggagcg	ggccctgcca	gctggaacgt	cagcccagcg	agccgaactg	atcgactca	180
cccaagccct	gaaaatggca	gaaggtaaga	agctaaatgt	ttatactgac	agccgatatg	240
ctttcgccac	ggcccatgtc	catggagaaa	tctataggag	gcgaggggtg	ctgacctcag	300
agggcaaaaa						310

<210> 28

<211> 117

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_7

<400> 28	
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aaaagcaaaa	gaggggggaaa aacatcaaaa gaacatgaaa aacagaaaac ccaaaaa 117

<210> 29

<211> 234

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_8

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taggaatgtc	ttacacgcgg ggcaagacag ttactgatac gggcagacac agaacaagtg 120
aacacaacga	gcgactgcca caaaaaaaaa agtgactctg ggatgcacgt ggcatgaaca 180
cttggacacc	gcagacagga gtgaagtact cgggactctc cacctcccca aaaa 234

<210> 30

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<211> 421

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_11

<220>

<221> misc\_feature

<222> (34)..(34)

<223> N stands for A, C, G or T

<220>

<221> misc\_feature

<222> (48)..(48)

<223> N stands for A, C, G or T

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gcaacgcaag ttcacagacc acatcaagtg cagaaacgcc ctgaagctgc agaaagggaa	180
gaagtacctc atgtggggcc tctcctctga cctctgggga gaaaagccca acaccagcta	240
catcattggg aaggacacgt ggggtggagca ctggcctgag gcggaagaat gccaggatca	300
gaagtaccag aaacagtgcg aagaacttgg ggcattcaca gaatctatgg tggtttatgg	360
ttgtcccaac tgactacagc ccagccctct aataaagctt cagttgtatt tcacacaaaa	420
a	421

<210> 31

<211> 191

<212> DNA

<213> Mus musculus

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<220>

<221> misc\_feature

<223> IMX2\_12

<400> 31  
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agatattttc taaaatctgg atccctaaac atcccaatgt gctgaataaa tacttgtgaa 180  
atgcagaaaa a 191

<210> 32

<211> 173

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_13

<400> 32  
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gaggatgagg agagctatga cacggagtca gaattcacag aggatgagct gccctatgat 120  
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<210> 33

<211> 311

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_15

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<400> 33  
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 cgcacatgcc gcgacctcaa gatgtgccac tctgactgga agagcggaga gtactggatc 180  
 gaccctaacc aaggctgcaa cctggacgcc atcaaggtct actgcaacat ggagacaggt 240  
 cagacctgtg tgttccttac tcagccgtct gtgcctcaga agaactggta catcagcccg 300  
 aacccccaaa a 311

<210> 34

<211> 138

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_16

<400> 34  
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 gaaattctgt cccaaaaa 138

<210> 35

<211> 99

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_20

<400> 35  
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<210> 36  
 <211> 109  
 <212> DNA  
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<220>  
 <221> misc\_feature  
 <223> IMX2\_23

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 cccacaccaa gaagaatgtg agaggaagta aggtcacttt atgcaaaaa 109

<210> 37  
 <211> 313  
 <212> DNA  
 <213> Mus musculus

<220>  
 <221> misc\_feature  
 <223> IMX2\_24

<400> 37  
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 aatctacttc agtaaatttc tcatctgccc agccaagtga gggcttgagc tcagccaacc 180  
 cctactgtct ctcgagacct cctactctac ttgaagggtg gagctgttcc ttcttgggac 240  
 tgtccactcc acctgccagt caggacccga tccatagcaa atggaagata cagctctctt 300  
 gcttacccaa aaa 313

<210> 38  
 <211> 325  
 <212> DNA

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<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_25

<400> 38	
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ccatctctga aatcgactgg ctgaacctga atgtgtacac ctgccgtgtg gatcacaggg	120
gtctcacctt cttgaagaac gtgtcctcca catgtgtgtc cagtccttcc acagacatcc	180
taaccttcac catccccccc tcctttgccg acatcttctt cagcaagtcc gctaacctga	240
cctgtctggt ctcaaacctg gcaacctatg aaaccctgga tatctcctgg gcttctcaaa	300
gtggtgaacc actggaaacc aaaaa	325

<210> 39

<211> 294

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_26

<400> 39	
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cttcaagctc ctgagccact gcctgctggt gaccttggct agccaccacc ctgccgattt	120
cacccccgcg gtgcatgcct ctctggataa attccttgcc tctgtgagca ccgtgctgac	180
ctccaagtac cgtaaagctg ccttctgcgg ggcttgccct ctggccatgc ctttcttctc	240
tcccctgcac ctgtacctct tggctcttga ataaagcctg agtaggaata aaaa	294

<210> 40

<211> 288

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_35

<400> 40  
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gagtgagttg caggacagcc agggctacac aaagaagccc tgtcttgaga gaccaaacc 120  
ccaatctaac caaacaacac caaaaacaaa ccaaaaaaca aaacccaac aaaacagggtt 180  
tttgggaatg ggttgtagtt cagaacactt gtctaataatg ggcaatgctc tgggttccat 240  
ctcagcatta cagaaattaa taaaaaacta ttttgggcat aataaaaa 288

<210> 41

<211> 172

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_39

<400> 41  
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caattgtgtg accaggattt accactccca tgttgatgct ccaaaagata ttgcatcagg 120  
actcatagga cctctaatac tctgtaaaaa aggttctcta tataaggaaa aa 172

<210> 42

<211> 39

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

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<223> IMX2\_40

<400> 42  
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<210> 43

<211> 150

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_42

<400> 43  
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tcacacatta tattttccaag aatccagccc ttcaaaggat aataacagga aaaaaaaca 120  
tacaaggaca gaaatcatgc cctagaaaaa 150

<210> 44

<211> 29

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_51

<400> 44  
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<210> 45

<211> 291

<212> DNA



<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_52

<400> 45  
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 cccccccg cggtcatgcct ctctggataa attccttggc tctgtgagca ccgtgctgac 180  
 ctccaagtac cgtaaagctg ctttctgcgg ggcttgcctt ctggccatgc ctttcttctc 240  
 tcccttgcac ctgtacctct tgggtcttga ataaagcctg agtaggaaaa a 291

<210> 46

<211> 283

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_53

<400> 46  
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 cactggtcag ctctatgata acccttgcca cacttagagc aaagagttag agtccctccc 180  
 tgtttatctg gagctctgca atctttctta aaatgcccag gctttccgca attaaaacat 240  
 gtcctctgat catttctgct catggagcgg ttctgagatt gga 283

<210> 47

<211> 421

<212> DNA

<213> Mus musculus

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<220>

<221> misc\_feature

<223> IMX2\_58

<400> 47  
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tcactctagg acaagagcag gattcctatg ggggaaattt tgatgcaaag caatcctttg 180  
ttggggagat atgggatgtt tccttgtggg accatgtggt cccctagaa aaggtatcag 240  
acagctgtaa caatggcaac cttataaact ggcaagctct taattatgaa gacaatggct 300  
atgtggtgac taagcccaaa ctgtggcctt aagctaattg ctctatgaaa tataagtctg 360  
cttttgggtt tggtaaaatg ataatgtgca ttgcattaaa aaagcaaaga aatgtgaaaa 420  
a 421

<210> 48

<211> 271

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_59

<400> 48  
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tgacaatggc acctggcagg tccacggtgt gaccagcttt gtgtcctcct tgggctgcaa 120  
caccctgagg aagccacacag tgttcacccg tgtctcagcc ttcattgact ggattgagga 180  
gaccattgcc aacaactaga tccaaggttc ggctggcaga gaggaccccc aggtcctcta 240  
aagaataaag acctttctga aagcctaaaa a 271

<210> 49

<211> 418

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_60

<400> 49  
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atcactctag gacaagagca ggattcctat gggggaaatt ttgatgcaaa gcaatccttt 180  
gttggggaga tatgggatgt ttccttgttg gaccatgttg tccccctaga aaaggtatca 240  
gacagctgta acaatggcaa ccttataaac tggcaagctc ttaattatga agacaatggc 300  
tatgtggtga ctaagcccaa actgtggcct taagctaatt gctctatgaa atataagtct 360  
gcttttggtc tgttaaaatg ataatgggca ttgcattaaa aaagcaaaga aataaaaa 418

<210> 50

<211> 352

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_1

<400> 50  
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agtgggaagt gtaggcagtt gtctcaattt tgcctgaatc gccacaggtg agtgcgggcc 120  
agcaccctga tgggcacccc agctggagcc tccaaactac accaactcac caccctctgc 180  
ctcctccctc taccccaaga gcctacagag tgatcaacat gaaagaatcc tgaaaggaag 240  
aggccactgg agggagtcag gcttaaggct aatggtcttc ccaccctggg gagagaggtc 300  
tccctaggca ctgctgtggc tgttcagata aatccacatg gtctctcaaa aa 352

<210> 51

<211> 135

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<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_65

<400> 51	
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ctggttaccc aaaaa	135

<210> 52

<211> 186

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_66

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cacagtgcc gagctgagga cgccatgcgc ctgtactatg ttgcaactgc cccacactgc	120
ggccaccgct ggactgagtg atcgttcctt cttccacctg taataaatgc cagtttctac	180
taaaaa	186

<210> 53

<211> 216

<212> DNA

<213> Mus musculus

<220>

&lt;221&gt; misc\_feature

&lt;223&gt; IMX2\_68A

&lt;400&gt; 53

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tctccagtct aacccgcctg atgtacatct actattttcca ggagagtctg ctcccagaca 120

ctctgccttt ccttcaaaa cctctcact ccagctcgt gcaaactggt tacacagcag 180

aaacgcaaaa taaagagggtg gctttcgcgg caaaaa 216

&lt;210&gt; 54

&lt;211&gt; 216

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; IMX2\_68B

&lt;400&gt; 54

cggccgcccc gagagggtccg aaagaagccg agtgagggtg aagaggaggc agcctcagct 60

ggaggacccc aggttaaccc aatgccagtg acagatgagg tcgtgtgacc ttcagtggct 120

gtctacagct cctgcttgag tttctgtgga gttgtcccc cccccccagg gtggtgttgc 180

tcactgtaat aaacatgatt aatagctggc taaaaa 216

&lt;210&gt; 55

&lt;211&gt; 100

&lt;212&gt; DNA

&lt;213&gt; Mus musculus

&lt;220&gt;

&lt;221&gt; misc\_feature

&lt;223&gt; IMX2\_69

&lt;400&gt; 55

cggccgtgtg tgccgtagga gtgggaaact ttgcatttct ctctccttat ctttcttgta 60  
agacatccat ttaataaagt ctcatgctga gagccaaaaa 100

<210> 56  
<211> 312  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<223> IMX2\_71

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acctctgttc ctgggccacc ctgcccgtgg gcaccctcta ccttggggca cgttctagca 180  
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ctgcagagac tgcctggtcc tcattgtact ttggtggctc aactgaataa agccttgtgg 300  
gaagcacaaa aa 312

<210> 57  
<211> 374  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<223> IMX2\_72

<400> 57  
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ccagaaaagtc tgctcctttt tgtagtcatc tatcttgagg tttctcaaac cacttttcat 180  
gaaccagtga atattcaaga gaactaaatt tgaagtctgt acaaaagctt ctctttaaca 240

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cgtgccataa tacactatct tctgctcgtc agtccttaac atctacctct ctgaatttca	300
tggatttctg tctcacaagg tttaactatt ttatatacac tggctgtagc atacaataaa	360
gcatcatcca aaaa	374

<210> 58

<211> 251

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_73

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ccgcaaaggc atctttggag actggtccga ctccatctct gccctctact gcaagtgcta	120
ttgatgcctt gaggtctgt ctaccagcc tggccttggg aattgctgta gctccaagag	180
ccaggaggca agatgacccc acgacctgct ctcatagctt ccctgtaata cagccctttc	240
aaaggtaaaa a	251

<210> 59

<211> 248

<212> DNA

<213> Mus musculus

<220>

<221> misc\_feature

<223> IMX2\_2

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gccagggaca tctgtgaggg gcaggtcaat agccttcctg ggagcatcaa caaggcaggg	120
gagtatattg aagccagtta catgaacctg cagagaccat acacagtggc cattgctggg	180

tatgccctgg ccctgatgaa caaactggag gaaccttacc tcggcaagtt tctgaacaca 240  
gccccaaaa 248

<210> 60  
<211> 64  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<223> IMX2\_3

<400> 60  
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aaaa 64

<210> 61  
<211> 121  
<212> DNA  
<213> Mus musculus

<220>  
<221> misc\_feature  
<223> IMX2\_34

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c 121

<210> 62  
<211> 219  
<212> DNA  
<213> Mus musculus



<220>

<221> misc\_feature

<223> IMX2\_70

<400> 62  
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<210> 63

<211> 48

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

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<221> misc\_feature

<222> (46)..(46)

<223> V stands for A, C or G

<220>

<221> misc\_feature

<222> (47)..(48)

<223> N stands for A, C, G or T

<400> 63  
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<210> 64

<211> 16

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 64  
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16

<210> 65

<211> 16

<212> DNA

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<223> Description of Artificial Sequence: synthetic primer

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<222> (16)..(16)

<223> N stands for A, C, G or T

<400> 65  
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<210> 66

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<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

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15

<210> 67

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<223> N stands for A, C, G or T

<400> 67  
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16

<210> 68

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<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 68  
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16

<210> 69

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 69  
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30

<210> 70

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 70

gatcgaatcc gggctctggg tctattgttc

30

<210> 71

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 71

gatcgaatcc gggggtgcca ggtgtgaggc

30

<210> 72

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 72

gatcgaatcc ggatcatggga actcagtatt

30

<210> 73

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 73

gatcgaatcc ggtgccctgt ctgctctgag

30

<210> 74

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 74

gatcgaatcc ggctccctgt atcccaggct

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<210> 75

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 75

gatcgaatcc gggggtgccca ggtgtgaggc

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<210> 76

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 76

gatcgaatcc ggataacagt atgtgtatgt

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<210> 77

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 77

gatcgaatcc ggccaaactc tcaattacca

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<210> 78

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 78

gatcgaatcc ggcgcgcacg gggaccagac

30

<210> 79

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 79

gatcgaatcc ggtgtcctgt ctgctctgag

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<210> 80

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 80  
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<210> 81

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 81  
gatcgaatcc ggacggagga ccacccgtgc 30

<210> 82

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 82  
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<210> 83

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 83  
gatcgaatcc gggcatctaa tggccagtgg 30

<210> 84

<211> 30

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 84

gatcgaatcc gggcatccat gggttccaac

30

<210> 85

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 85

gatcgaatcc ggacaccata gagaccctga

30

<210> 86

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 86

gatcgaatcc ggagcaccac atcgatctaa

30

<210> 87

<211> 30

<212> DNA

<213> Artificial Sequence

<220>



<223> Description of Artificial Sequence: synthetic primer

<400> 87  
gatcgaatcc gggcgatggt ggtgtatgcc 30

<210> 88

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 88  
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<210> 89

<211> 30

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: synthetic primer

<400> 89  
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<210> 90

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 90  
gatcgaatcc ggtaggtag agtgtcgcca 30

<210> 91

<211> 30

NEU-120.P.1, Sequence Listing FILED, MS, 1-23-06

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 91

gatcgaatcc gggtcccata tctttgaggg

30

<210> 92

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 92

gatcgaatcc ggcgatgtac actcgggtca

30

<210> 93

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 93

gatcgaatcc ggcgcgtatc tgtgtgaact

30

<210> 94

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 94  
gatcgaatcc ggcggcgata tccagtctgg 30

<210> 95

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 95  
gatcgaatcc ggtcctggca gacagacatg 30

<210> 96

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 96  
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<210> 97

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 97  
gatcgaatcc ggccgccacc caacaacttt 30

<210> 98

<211> 30

NEU-120.P.1, Sequence Listing FILED, MS, 1-23-06

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 98

gatcgaatcc ggccgcccgc agaggtccga

30

<210> 99

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 99

gatcgaatcc ggtaagcatg gcaagacccg

30

<210> 100

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 100

cacagccttc gtcctcatcg cactg

25

<210> 101

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 101  
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<210> 102

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 102  
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<210> 103

<211> 21

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 103  
 tcacggcccc gctcccattc c 21

<210> 104

<211> 22

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 104  
 ccaagtccca ggctgtctg tt 22

<210> 105

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 105

tggtctccac tgtagaaccc ccaaaa

26

<210> 106

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 106

acatagagct gttgatgat tttga

25

<210> 107

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 107

caagttcttc gcactgtttc tggta

25

<210> 108

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223>	Description of Artificial Sequence: synthetic primer	
<400>	108	
	cgacctcaag atgtgccact ctga	24
<210>	109	
<211>	25	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: synthetic primer	
<400>	109	
	accagttctt ctgaggcaca gacgg	25
<210>	110	
<211>	25	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: synthetic primer	
<400>	110	
	gaacaaagga tccacacccc aaacc	25
<210>	111	
<211>	25	
<212>	DNA	
<213>	Artificial Sequence	
<220>		
<223>	Description of Artificial Sequence: synthetic primer	
<400>	111	
	gcacatgtgg aggacacggtt cttca	25
<210>	112	
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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 112

atgaaaaata tggaaaatga taaaa

25

<210> 113

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 113

ctaaaatgtt ctacagtgtg gttt

24

<210> 114

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 114

gcccagacag aagtcatagc cactc

25

<210> 115

<211> 25

<212> DNA

<213> Artificial Sequence

<220>



<223> Description of Artificial Sequence: synthetic primer

<400> 115  
 tttatggttc ttccgttgag ggaca 25

<210> 116  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 116  
 gagtctggct ctgggattgc agaa 24

<210> 117  
 <211> 24  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 117  
 ccccatagg aatcctgctc ttgt 24

<210> 118  
 <211> 23  
 <212> DNA  
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 118  
 ccactgggga ggaaaggctt gaa 23

<210> 119  
 <211> 25

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<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 119

ccacatggtc ccacaaggaa acatc

25

<210> 120

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 120

gcaggtgcat ggcacgtga

20

<210> 121

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 121

ggggacagtg gcagtaatgt cttca

25

<210> 122

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 122  
tcagagatta gcatggtggg aca 23

<210> 123

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 123  
ctggtttgac agagacgcag tagtc 25

<210> 124

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 124  
gatcgaatcc ggaaacgggg accgctggtg 30

<210> 125

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 125  
gatcgaatcc ggacctcacc gaccagccca 30

<210> 126

<211> 30

NEU-120.P.1, Sequence Listing FILED, MS, 1-23-06

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 126  
gatcgaatcc ggagtggcaa agacccaac

30

<210> 127

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 127  
cagtgtggag gaagcctggg aggtg

25

<210> 128

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: synthetic primer

<400> 128  
cacatcgggg gcaggcagac tttc

24

<210> 129

<211> 137

<212> PRT

<213> Mus musculus

<220>

<221> misc\_feature

<223> Translation of IMX2\_4 Extended Sequences, bases 688-947

<400> 129

Gly Trp Gln Gly Ala Pro Asp Pro Arg Gly Leu Gly Gln Leu Ser Gln  
1 5 10 15

Pro Tyr Met Gly Gly Glu Met Pro Trp Thr Ile Leu Leu Phe Ala Ser  
20 25 30

Val Pro Thr Trp Ile Leu Ala Leu Ser Leu Ser Leu Ala Gly Ala Val  
35 40 45

Leu Phe Ser Gly Leu Val Ala Ile Thr Val Leu Val Arg Lys Ala Lys  
50 55 60

Ala Lys Asn Leu Gln Lys Gln Arg Glu Arg Glu Ser Cys Trp Ala Gln  
65 70 75 80

Ile Asn Phe Thr Asn Thr Asp Met Ser Phe Asp Asn Ser Leu Phe Ala  
85 90 95

Ile Ser Thr Lys Met Thr Gln Glu Asp Ser Val Ala Thr Leu Asp Ser  
100 105 110

Gly Pro Arg Lys Arg Pro Thr Ser Ala Ser Ser Ser Pro Glu Pro Pro  
115 120 125

Glu Phe Ser Thr Phe Arg Ala Cys Gln  
130 135